

Pakistan Cable Tray Parameters



Overview

Cable Tray Sizes in mm | Cable Tray Sizes And Types In Pakistan, the industry primarily relies on Galvanized Iron (GI) and Mild Steel (MS) trays. Understand.

Key Takeaways

In Pakistan, cable trays are standardized for material, type, dimensions, and installation to ensure safe, organized, and durable cable management in industrial and commercial projects. Types of Cable Trays

- Ladder-Type Cable Tray: Ideal for high-volume power cables and industrial applications, providing excellent ventilation and easy access for maintenance .
- Perforated Cable Tray: Features small holes for airflow, suitable for indoor wiring and heat dissipation .
- Solid-Bottom Cable Tray: Fully enclosed to protect cables from dust and physical damage, used in low-heat or sensitive environments .
- Wire Mesh Cable Tray: Lightweight and flexible, commonly used in data centers and low-voltage applications .
- Channel Cable Tray: Compact and sturdy, suitable for single or minimal cable runs in small spaces .

Materials and Finishes

Cable trays in Pakistan are primarily made from Mild Steel (MS) and Galvanized Iron (GI). Other options include stainless steel for corrosion resistance and aluminium for lightweight installations . Common finishes include:

- Painted
- Powder Coated
- Pre-Galvanized
- Hot Dip Galvanized Powder-coated trays are preferred for outdoor use due to their corrosion resistance and long life .

Standard Dimensions

- Lengths: Typically 6 meters per section, with allowances for cutting and waste during installation .
- Widths and Depths: Vary depending on cable volume and type; standard widths are designed to accommodate industrial and commercial cable loads .
- Support Spacing: Supports are generally placed at 1.5m to 3m intervals for stability and load distribution .

Installation Guidelines

- Joining Methods: Standard splice plates or overlap joints (150–300mm) are used to connect trays securely .
- Load Considerations: Ensure trays meet required load capacity and environmental standards, including heat derating for high-temperature areas .
- Earthing: Proper earthing of cable trays is mandatory to comply with safety standards .
- Environmental Adaptation: For outdoor or rooftop installations, UV-stable materials and corrosion-resistant finishes are recommended .

Compliance and Standards

- Cable trays in Pakistan are installed according to IESCO standards and local industry regulations .
- Quality control includes checks for load capacity, safety, and environmental compliance at every stage of production .
- Suppliers provide turnkey solutions including site survey, supply, support installation, earthing, and final inspection .

Choosing a Supplier

When selecting a cable tray supplier in Pakistan, consider:

- Range of tray types (ladder, perforated, wire mesh, solid-bottom)
- Material quality and finish options
- Compliance with local standards and load requirements

- Installation support and after-sales service By adhering to these standards, cable trays in Pakistan ensure efficient cable management, safety, and long-term durability in industrial, commercial, and residential projects.

Article Content

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MITEC Engineering is Pakistan's premier manufacturer of high-grade perforated cable trays, ladder type trays, solid duct trunking,

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Keeping Your Wires Organized: A Guide to Cable Trays in Pakistan

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